Acta Physiologica Scandinavica

An International Journal of Physiological Sciences

Chief Editor J. Henrikkson, Stockholm

Volume 170, 2000 Pages 1–274

b

Science

Published monthly for the Scandinavian Physiological Society Published for the
Scandinavian Physiological Society by
Blackwell Science Ltd
Osney Mead, Oxford OX2 0EL
25 John Street, London WC1N 2BL
23 Ainslie Place, Edinburgh EH3 6AJ
Commerce Place, 350 Main Street, Malden,
MA 02148-598, USA
54 University Street, Carlton, Victoria 3053,
Australia
Kurfürstendamm 57, D-10707 Berlin, Germany
MG Kodenmacho Building, 7–10 Kodenmacho
Nihombashi, Cho-Ku, Tokyo 104, Japan
10 rue Casimir Delavigne, 75006
Paris, France

© 2000 Scandinavian Physiological Society

Printed in Great Britain by Thanet Press, Kent Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by the Scandinavian Physiological Society for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided the base fee of \$15.00 per copy is paid directly to CCC, 222 Rosewood Drive, Suite 910, Danvers, MA 01923, USA. Special request should be addressed to the Editor. 0001–6772/00 \$15.00.

Volume 170, Issue 1, September 2000

Cardiovascular

- 1 Sustained increase in arterial blood pressure and vascular resistance induced by infusion of arachidonic acid in rats A. Kirkebo, A. Hangan and K. Mesteio
- 11 Lactoferrin and anti-lactoferrin antibodies: Effects of ironloading of lactoferrin on albumin extravasation in different tissues in rats K. S. Erga, E. Peen, O. Tenstad and R. K. Reed
- 21 Differential recruitment of α₁- and β-adrenoceptors in inotropic control of atrial child myocardium by endogenous noradrenaline K. Borthne, A. Langslet, H. Lindberg, T. Skomedal and J.-B. Osnes
- 33 Middle cerebral artery blood velocity during exercise with β-1 adrenergic and unilateral stellate ganglion blockade in humans K. Ide, R. Boushel, H. M. Sorensen, A. Fernandes, Y. Cai, F. Pott and N. H. Secher
- 39 Hyperbaric oxygen increases parasympathetic activity in professional divers V. Lund, E. Kentala,

H. Scheinin, J. Klossner, K. Sariola-Heinonen and J. Jalonen

Muscle

- 45 Differential activation of mitogen-activated protein kinase signalling pathways by isometric contractions in isolated slow- and fast-twitch rat skeletal muscle C. Wretman, U. Widegren, A. Lionikas, H. Westerblad and J. Henriksson
- 51 Age-related differences in twitch contractile properties of plantarflexor muscles in women M. Pääsuke, J. Ereline, H. Gapeyera, S. Sirkel and P. Sander
- 59 Expression of the Na⁺/H⁺ exchanger isoform NHE1 in rat skeletal muscle and effect of training C. Juel
- 65 Differential changes in corticospinal and Ia input to tibialis anterior and soleus motor neurones during voluntary contraction in man H. Morita, E. Olivier, J. Baumgarten, N. T. Petersen, L. O. D. Christensen and J. B. Nielsen

Volume 170, Issue 2, October 2000

Circulation

77 No effect of venoconstrictive thigh cuffs on orthostatic hypotension induced by head-down bed rest M.-A. Custand, C. Millet, J. Frutoso, A. Maillet, G. Gauquelin, C. Gharib and J.-O. Fortrat

Cell Biology

- 87 PKCα translocation is microtubule-dependent in passaged smooth muscle cells A. S. Battistella-Patterson, M. E. Fullz, C. Li, W. Geng, M. Norton and G. L. Wright
- 99 Purinergic activation of BK channels in clonal kidney cells (Vero cells) T. Hafting and O. Sand

Exercise

- 111 Exercise-induced sympathetic activation is correlated with cerebral hemisphere laterality, but not handedness M. Saito
- 119 Intramuscular pressure and electromyographic responses of the vastus lateralis muscle during repeated maximal isokinetic knee extensions

A. G. Crenshaw, B. Gerdle, M. Heiden, S. Karlsson and I. Fridén

127 In vivo dynamics of human medial gastrocnemius muscle-tendon complex during stretch-shortening cycle exercise K. Kubo, H. Kanehisa, D. Takeshila, Y. Kawakami, S. Fukashiro and T. Fukunaga

Gastrointestinal

137 In vivo assessment of villous microcirculation in the rat small intestine in Indomethacin-induced inflammation: role of mast cell stabilizer Ketotifen J. Ruh, F. Vogel and E. Schmidt

Metabolism

145 Seasonal changes in heart rate and food intake in reindeer (Rangifer tarandus tarandus) K. Mesteig, N. Tyler and A. S. Blix

Review Article

- 153 Renal tubule potassium channels: function, regulation and structure G. Giebisch and W. Wang
- 175 Erratum

Volume 170, Issue 3, November 2000

Review Article

177 Interstitial cells of Cajal - their role in pacing and signal transmission in the digestive system M. Hanani and H. R. Freund

Cardiovascular

- 191 The vagal cardiac accelerator system in the reflex control of heart rate in conscious dogs
- A. Roossien, J. R. Brunsting, J. Zaagsma, W. G. Zijlstra and J. H. J. Muntinga
- 201 A model of fluid and solute exchange in the human: validation and implications J. L. Bert, C. C. Gyenge, B. D. Bowen, R. K. Reed and T. Lund

Exercise

- 211 Endurance training in Wistar rats decreases receptor sensitivity to a serotonin agonist D. Duyer and J. Browning
- 217 Oral creatine supplementation decreases plasma markers of adenine nucleotide degradation during a 1-h cycle test B. M. Bellinger, A. Bold, G. R. Wilson, T. D. Noakes and K. H. Myburgh

Miscellaneous

- 225 Glycinergic and GABAergic control of intensityresponse function of frog ERG waves under different conditions of light stimulation E. Popova
- 243 Oral Communications of the Joint Meeting of the Scandinavian and American Physiological Societies, August 2000

Volume 170, Issue 4, December 2000

Exercise

- 265 The 'lactate paradox', evidence for a transient change in the course of acclimatization to severe hypoxia in lowlanders B. Saltin, C. Lundby and G. van Hall
- Al Poster Presentations of the Joint Meeting of the Scandinavian and American Physiological Societies, August 2000
- 271 Author index
- 273 Subject index

